

# Basic arithmetic and the calculator

## Topic Test

## PART A

### Instructions

This part consists of 12 multiple-choice questions

Each question is worth 1 mark

Fill in only ONE CIRCLE for each question

Calculators are NOT allowed

**Time allowed: 15 minutes**

**Total marks = 12**

						Marks
1	Evaluate $6 \times 9 + 8 \times 7$ .	(A) 714	(B) 434	(C) 110	(D) 390	1
2	The value of $\frac{1}{2} + \frac{3}{4} + \frac{5}{6} + \frac{7}{8}$ is	(A) $2\frac{23}{24}$	(B) $1\frac{23}{24}$	(C) $1\frac{1}{12}$	(D) $2\frac{1}{12}$	1
3	$8.21 + 6.1 \times 3.1$ equals	(A) 17.21	(B) 27.12	(C) 27.21	(D) 17.12	1
4	$9 \times 5 \times 2 \times 20$ equals	(A) 1600	(B) 2000	(C) 1800	(D) 2400	1
5	$25 \times 10^3$ equals	(A) 25 000	(B) 20 000	(C) 24 000	(D) 50 000	1
6	$(0.5)^2 - (0.2)^2$ equals	(A) 0.25	(B) 0.24	(C) 0.21	(D) 0.215	1
7	$\sqrt{13^2 - 12^2}$ equals	(A) 5	(B) 6	(C) 7	(D) 4	1
8	Adrian's pocket money is \$25.75 each month. How much would he receive in 12 months?	(A) \$309	(B) \$350	(C) \$450	(D) \$300	1
9	$\frac{1}{9} \times \frac{1}{9} =$	(A) $\frac{1}{81}$	(B) $\frac{1}{9}$	(C) $\frac{2}{9}$	(D) none of these	1
10	$9.9 - 0.09$ equals	(A) 9.81	(B) 9.19	(C) 9.081	(D) 9.009	1
11	What is the number 6546 rounded to the nearest hundred?	(A) 7000	(B) 6600	(C) 6550	(D) 6500	1
12	Paper clips cost 40 cents per 100. How many paper clips would \$20 buy?	(A) 50	(B) 500	(C) 5000	(D) none of these	1

**Total marks achieved for PART A**

12

# Basic arithmetic and the calculator

## Topic Test

## PART B

**Instructions** This part consists of 15 questions  
Each question is worth 1 mark  
Write answers in the answers-only column

**Time allowed: 20 minutes**

**Total marks = 15**

Questions	Answers only	Marks
Simplify the following correct to two decimal places.		
<b>1</b> $536.2 + 3.864 + 0.063 + 18$	_____	1
<b>2</b> $84.6 \div 0.018$	_____	1
<b>3</b> $1\frac{7}{8} \div 1\frac{3}{5} \times \frac{3}{7}$	_____	1
<b>4</b> $2\frac{5}{8} + 1\frac{1}{2} - 1\frac{3}{4}$	_____	1
<b>5</b> $\frac{4}{3} \times 3.14 \times 7^3$	_____	1
<b>6</b> $2.8^3$	_____	1
<b>7</b> $\frac{19}{31}$	_____	1
Simplify the following correct to one decimal place.		
<b>8</b> $17.83 + (12.15 \div 3.9)$	_____	1
<b>9</b> $\sqrt{24} + \sqrt{38}$	_____	1
<b>10</b> $\sqrt[3]{64} - \sqrt[3]{8}$	_____	1
<b>11</b> $67.54 - 38.14 \times 0.04$	_____	1
<b>12</b> $\frac{1}{\sqrt{17.5} + 2.5^2}$	_____	1
<b>13</b> $\frac{40.2 \times 9.36}{18.34}$	_____	1
<b>14</b> $\frac{(8.15)^2}{9.6}$	_____	1
<b>15</b> $\sqrt{5.9^2 - 3.2^2}$	_____	1

**Total marks achieved for PART B**

**15**